

FIG. 1

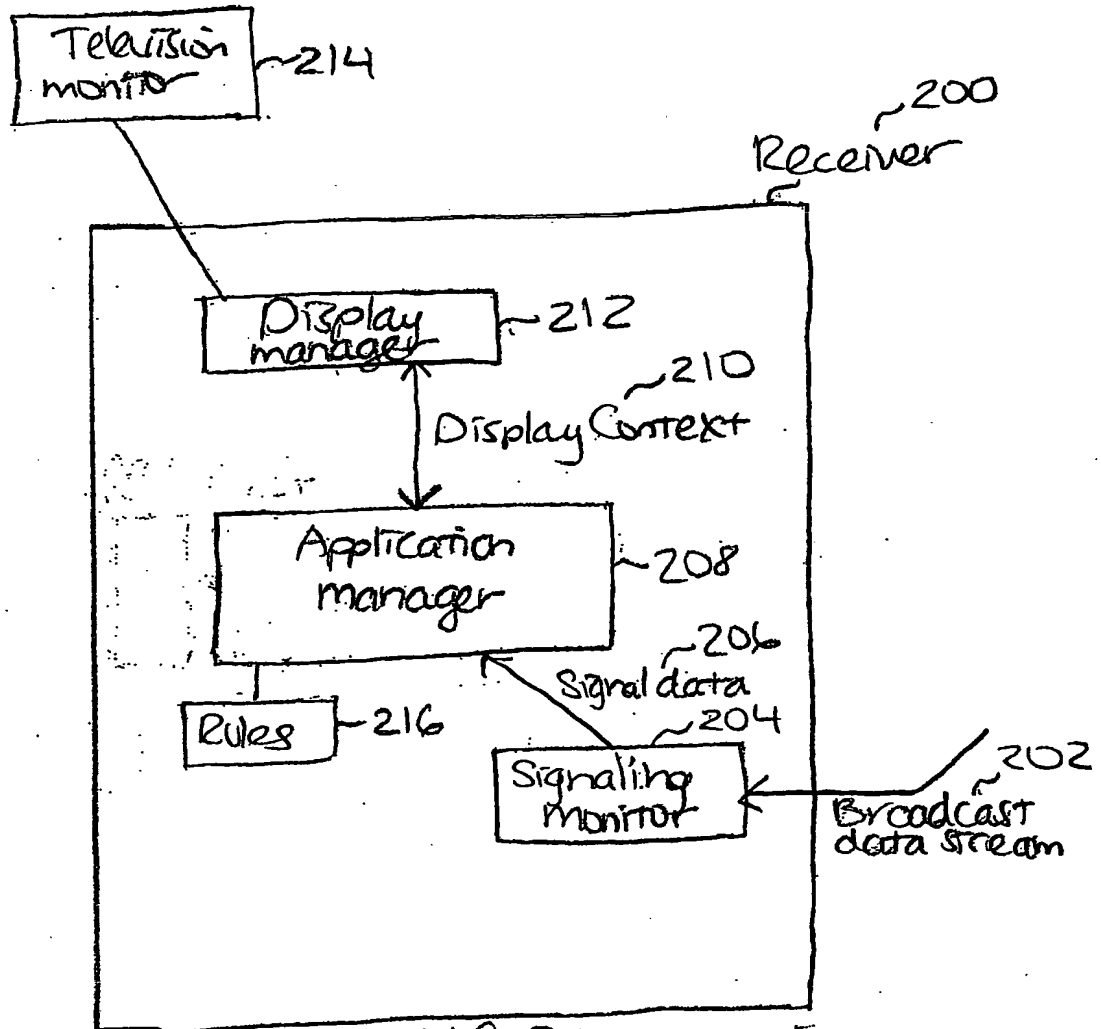


FIG. 2A

- Rules 216
- 218 ~ 1. Application manager manages one or more applications
 - 220 ~ 2. Only one application can be active at a time
 - 222 ~ 3. Only one application can be displayed at a time
 - 224 ~ 4. Only active applications are displayed

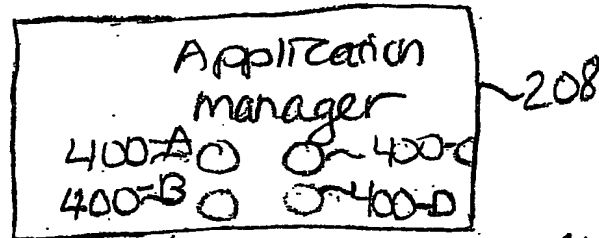
FIG. 2B

Signal Data ~302

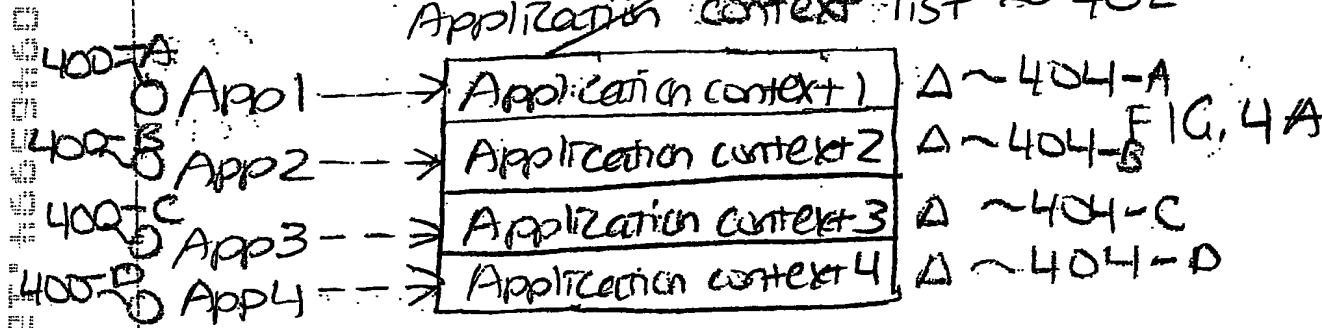
App-present-in-data-stream: BOOLEAN	~304
Location (e.g., directory, filename)	~306
Authentication	~308
Permissions	~310

FIG. 3

03/10/2014 14:15:33



Application context list ~ 402



Application Context Δ ~ 404

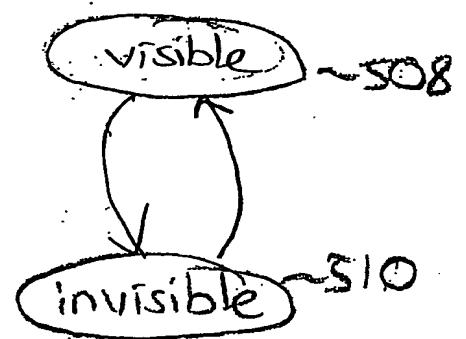
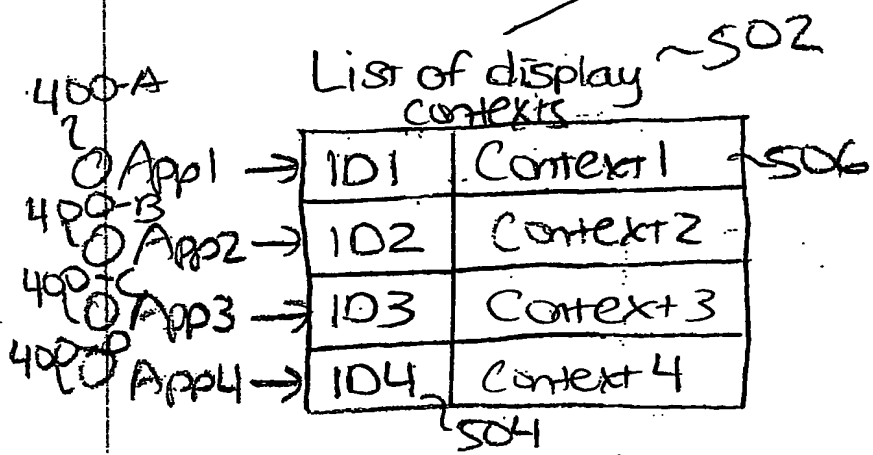
Class loader identifier	<u>406</u>
Signal data identifier	<u>408</u>
Display context identifier	<u>410</u>
Application identifier	<u>412</u>
Application environment Object	<u>414</u>
Current application state	<u>416</u>



FIG. 4B

400-A
400-B
400-C
400-D

Display manager ~212



516 ~ Application state 0 1 512

516 ~ Application state	Active	Paused
514 ~ Display state	Visible	Invisible

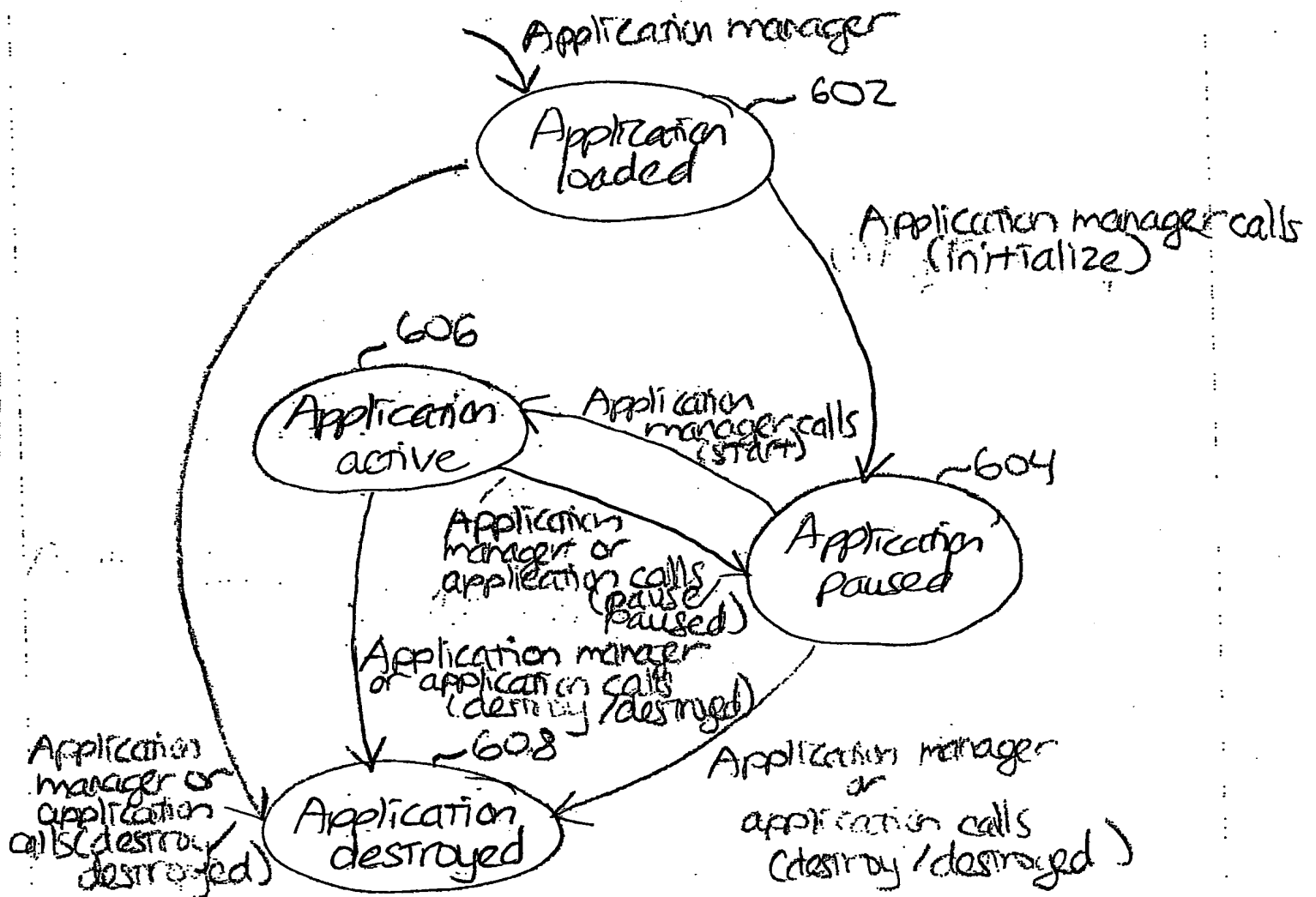


FIG. 6

Application Programming Interface (API)

~ 702

Interface application {

704 ~ public void init application (Application environment env) ~ 706
708 ~ public void start application()
710 ~ public void pause application()
712 ~ public void destroy application (boolean unconditional); ~ 714

}

to change state

FIG. 7

ApplicationEnvironmentInterface

```
~802
Interface ApplicationEnvironment {
804 ~ public void destroyed();
808 ~ public java.lang.Object + getProperty(String key) ~810
806 ~ public void paused();
812 ~ public void resumeRequest();
}
```

FIG. 8

Application manager ~902

Application ~904

Call init application() → ~906

Call start application() → ~908

Call destroy application() → ~910

Call pause application() → ~912

914 ~ ← Application-environment.applicationPaused()

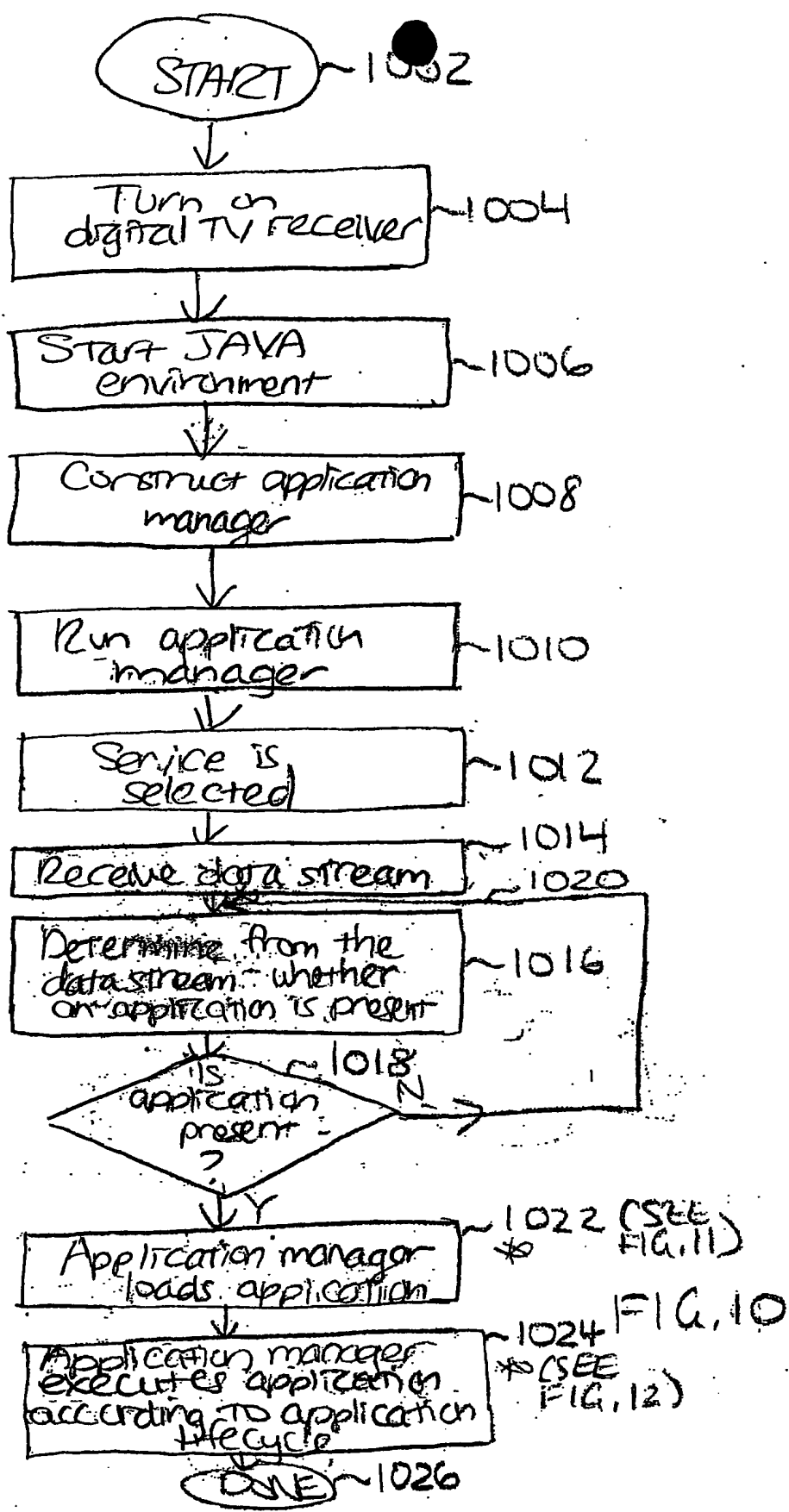
916 ~ ← Application-environment.applicationDestroyed()

918 ~ ← Application-environment.resumeRequest()

920 ~ ← Application-environment.getProperty()

FIG. 9

03405304 121059



1022

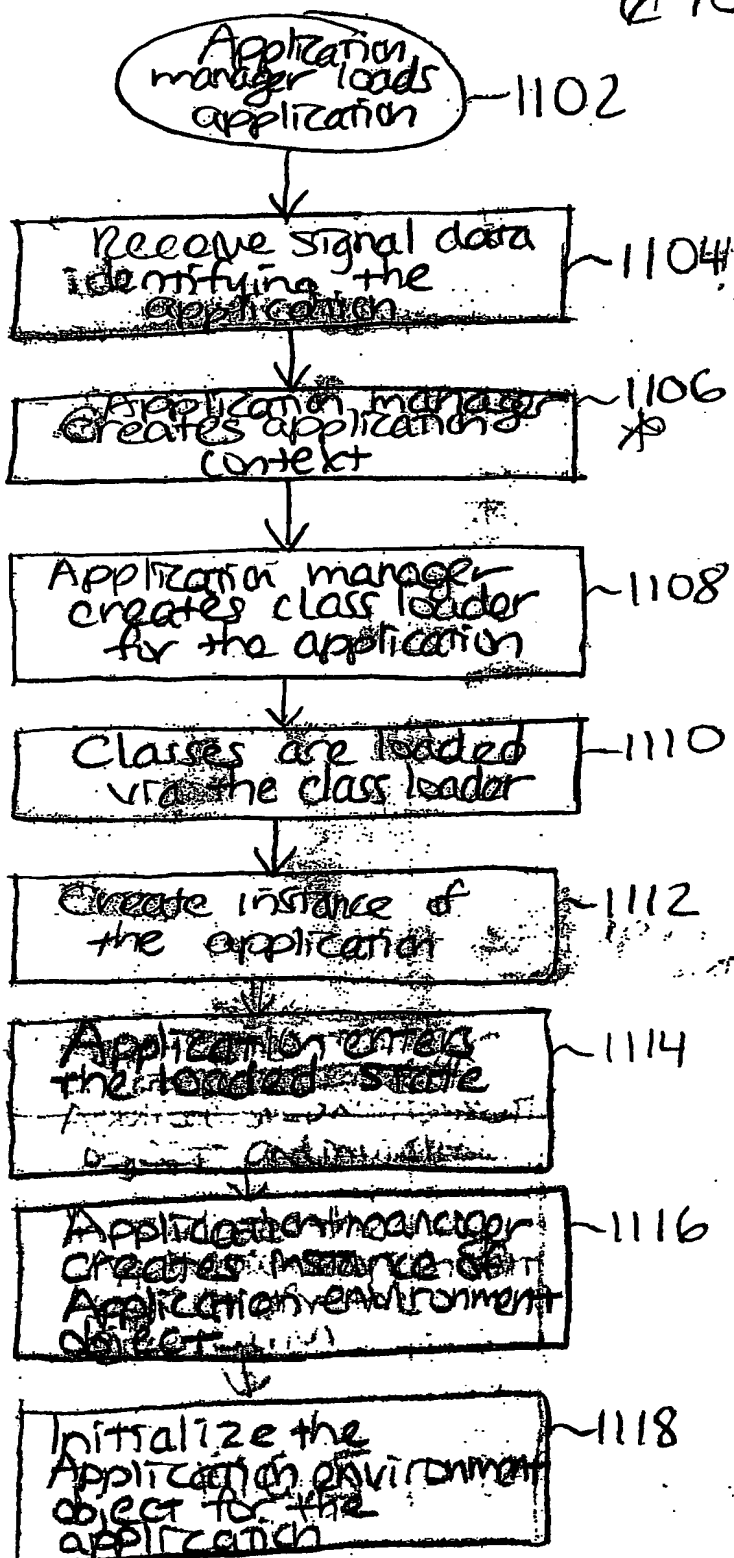
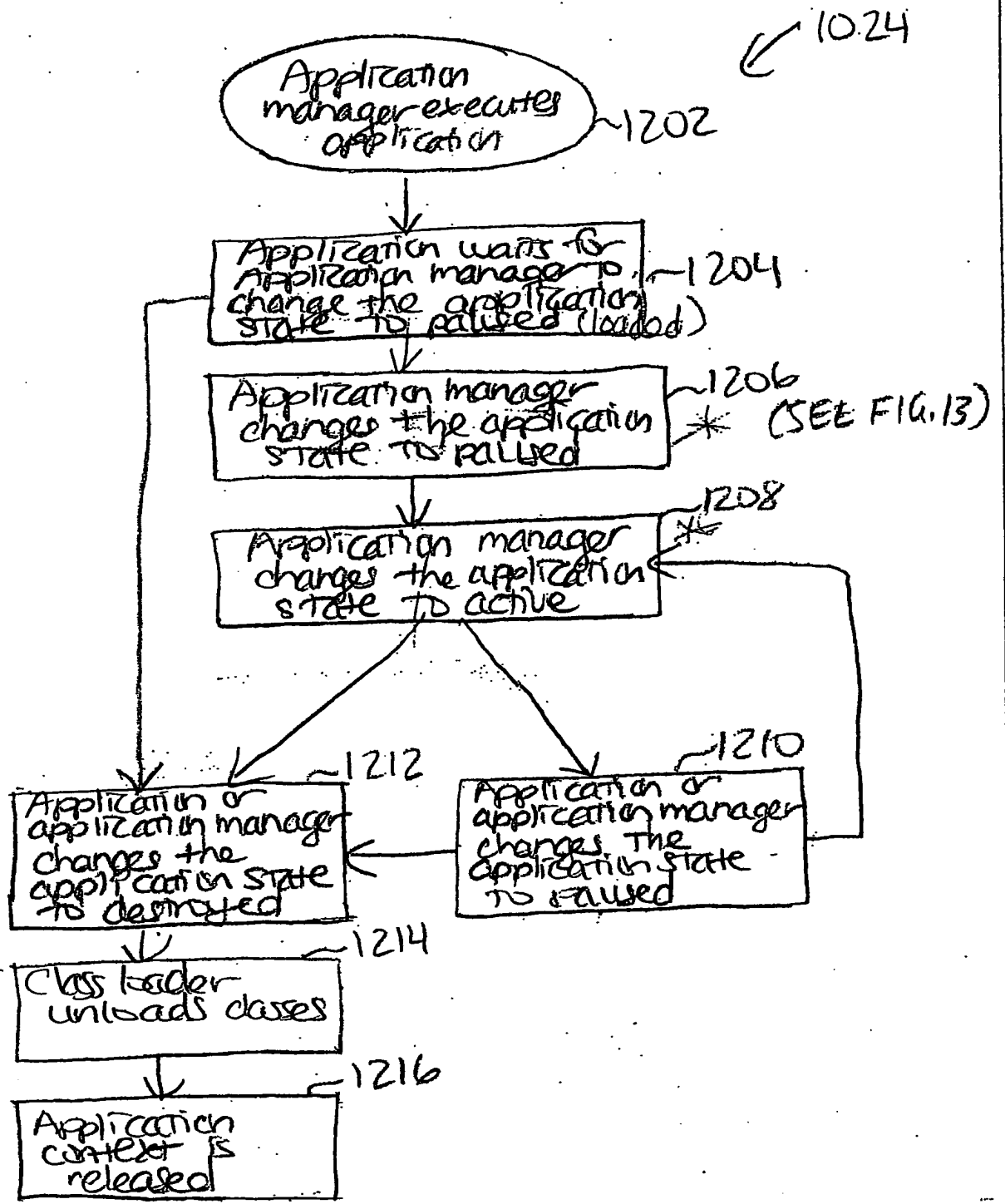


FIG. 1

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	



F1G. 12

00105094 101050

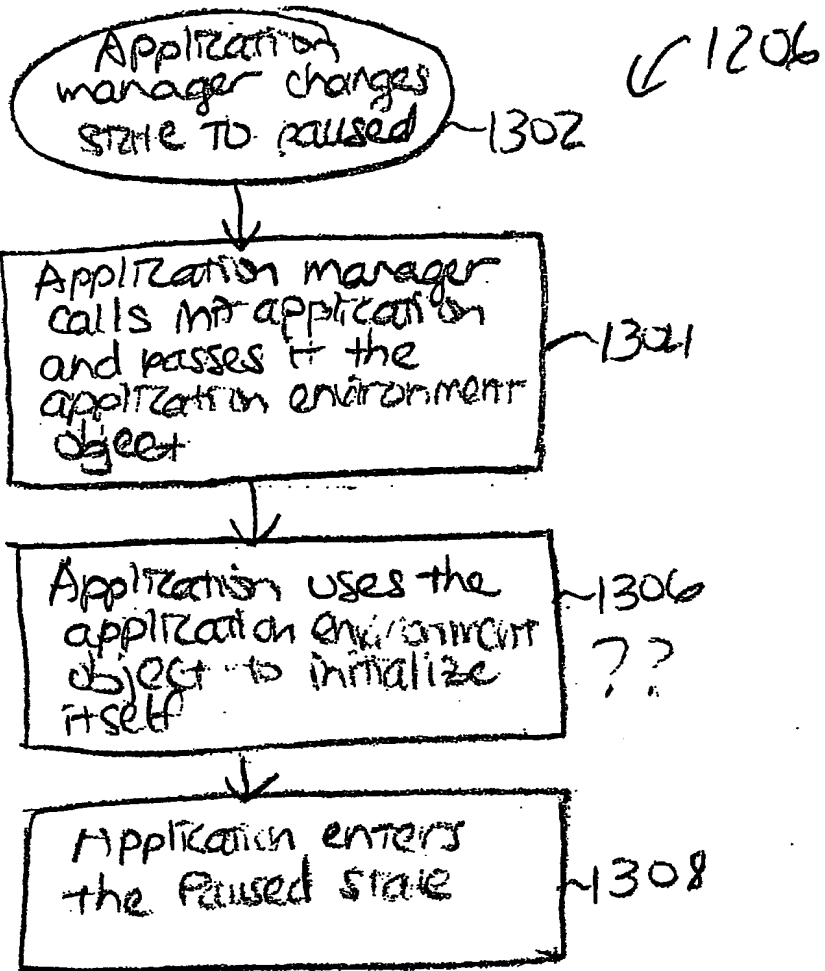


FIG. 13

1208

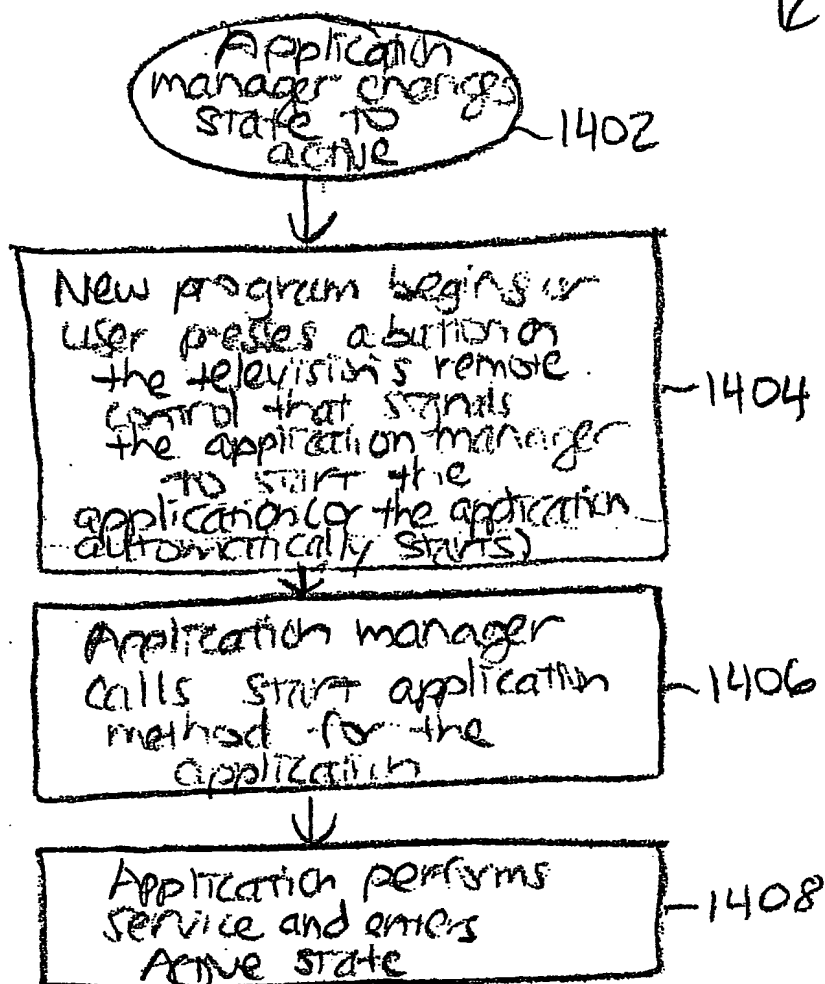


FIG. 14

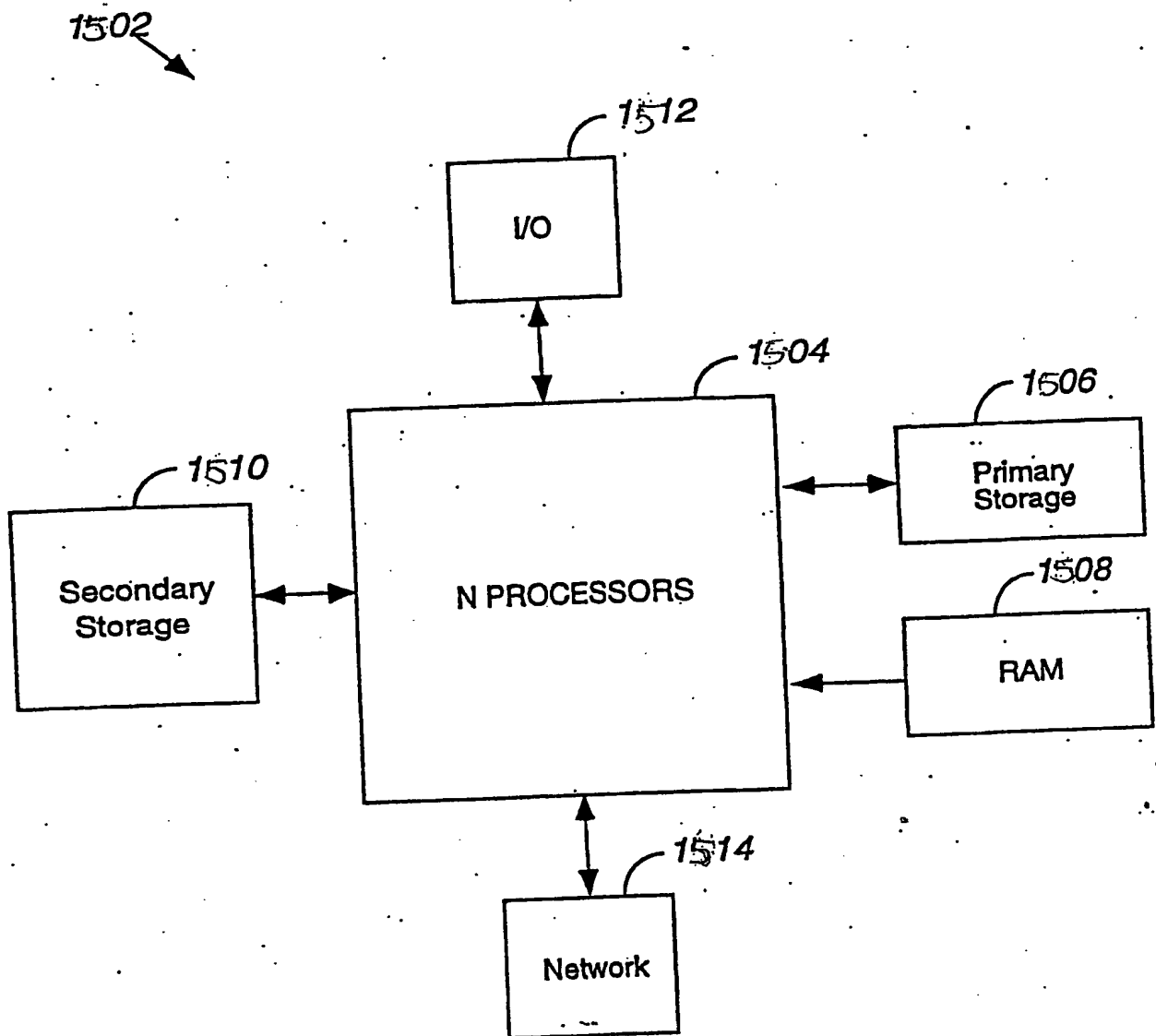


Figure 15